

**To:** Garcia, David[Garcia.David@epa.gov]  
**From:** McCoy, Melinda  
**Sent:** Mon 8/10/2015 6:11:37 PM  
**Subject:** RE: Water Quality Criteria - Animas River

No, please hold...

**From:** Garcia, David  
**Sent:** Monday, August 10, 2015 12:49 PM  
**To:** McCoy, Melinda  
**Subject:** FW: Water Quality Criteria - Animas River

This may go on R8 Website or out to public, is that okay?

David F. Garcia

Deputy Director

Water Quality

Protection Division

U.S. EPA Region 6

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**From:** Garcia, David  
**Sent:** Monday, August 10, 2015 11:50 AM  
**To:** David Gray  
**Cc:** McCoy, Melinda; Watson, Jane; Ronnie Crossland ([Crossland.Ronnie@epa.gov](mailto:Crossland.Ronnie@epa.gov)); Restivo, Angela  
**Subject:** FW: Water Quality Criteria - Animas River

David,

Per your request attached are the NM WQS that apply to the Animas River. Please note, there are two tabs.

David F. Garcia

Deputy Director

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**From:** Brown, Jamesr  
**Sent:** Monday, August 10, 2015 11:08 AM  
**To:** Garcia, David  
**Subject:** FW: Water Quality Criteria - Animas River

Sent from my Windows Phone

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**From:** McCoy, Melinda  
**Sent:** 8/7/2015 2:36 PM  
**To:** Brown, Jamesr; Kirkland, Robert; McCasland, Mark; Garcia, David; Restivo, Angela  
**Cc:** Foster, Althea; Crossland, Ronnie; Webster, Susan; Martinez, Maria; Crocker, Philip; Nelson, Russell  
**Subject:** Water Quality Criteria - Animas River

Hi Everyone,

Earlier this morning, David and Maria asked me to compile the WQS applicable to the Animas River, and to identify any previous water quality impairments (303d listings) identified. Earlier today, I sent them a list of the applicable designated uses and the 303(d) listing information (see emails forwarded below).

Additionally, I have compiled an Excel spreadsheet showing the water quality criteria applicable to the two Animas River segments. Please see attached Excel file.

Thanks,

Melinda

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Melinda McCoy, Environmental Scientist

Water Quality Standards Program

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[mccoy.melinda@epa.gov](mailto:mccoy.melinda@epa.gov)

**From:** McCoy, Melinda

**Sent:** Friday, August 07, 2015 11:31 AM

**To:** Garcia, David; Martinez, Maria; Brown, Jamesr

**Cc:** Nelson, Russell

**Subject:** Animas River WQS

Hi David and Maria,

The Animas River is a considered classified water. It is split into 2 segments between the NM/CO state line and it's confluence with the San Juan River. Estes Arroyo is the dividing line between the 2 segments. (See NMAC 20.6.4.403-404).

The table below shows the designated uses applicable to these 2 segments:

<b>Animas from confluence with San Juan upstream to Estes Arroyo</b>	<b>Animas from Estes Arroyo upstream to NM/CO line</b>
Marginal coldwater and warmwater	Coldwater

Primary Contact  
Public Water Supply  
Industrial Water Supply  
Irrigation  
Livestock watering  
Wildlife Habitat

Primary Contact  
Public Water Supply  
Industrial Water Supply  
Irrigation  
Livestock watering  
Wildlife Habitat

The criteria applicable to each of these designated uses can be found in NMAC 6.4.900 (see attachment). I can compile all of this into an Excel spreadsheet, but for the sake of time, I'm just including the attachment right now.

Note that the DO, temperature, and pH criteria differ for each aquatic life use:

**Coldwater:** dissolved oxygen 6.0 mg/L or more, 6T3 temperature 20°C (68°F), maximum temperature 24°C (75°F) and pH within the range of 6.6 to 8.8. Where a single segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

**Marginal Coldwater:** dissolved oxygen 6 mg/L or more, 6T3 temperature 25°C (77°F), maximum temperature 29°C (84°F) and pH within the range from 6.6 to 9.0. Where a single segment-specific

temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature and no 6T3 temperature applies.

**Warmwater:** dissolved oxygen 5 mg/L or more, maximum temperature 32.2°C (90°F) and pH within the range of 6.6 to 9.0. Where a segment-specific temperature criterion is indicated in 20.6.4.101-899 NMAC, it is the maximum temperature.

I'll send you the 303d information as soon as I gather it.

Thanks,

Melinda

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Melinda McCoy, Environmental Scientist

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**From:** McCoy, Melinda  
**Sent:** Friday, August 07, 2015 11:44 AM  
**To:** Garcia, David; Martinez, Maria; Brown, Jamesr  
**Cc:** Nelson, Russell  
**Subject:** Animas 303d listings (2014-2016 reporting cycle)

Hi David, Maria, and Jim,

From New Mexico's 2014-2016 Integrated Report. Here are the impairments identified for the Animas River (categories 4 and 5).

8-

WASTEWQS

IR

EPA

CYC  
FIRS

digitHUC USGS HUC	Name	SIZE MILES	Reference	Category (by AU)	TMDL LIST Approval Date
14080104	NM- Animas River (Estes 2404_00royo to So. Ute Indian Tribe bnd)	18.8	1206.4404i	5/5B	TMDL Completed30 2013-092012 00:00:00
14080104	NM- Animas River (Estes 2404_00royo to So. Ute Indian Tribe bnd)	18.8	1206.4404i total	5/5B	TMDL Completed30 2013-092012 00:00:00 303(d)
14080104	NM- Animas River (Estes 2404_00royo to So. Ute Indian Tribe bnd)	18.8	1206.4404i Temperature	5/5B	List (no TMDL in place) 303(d) 1998
14080104	NM- Animas River (Estes 2404_00royo to So. Ute Indian Tribe bnd)	18.8	1206.4404i Turbidity	5/5B	List (no TMDL in place) 2012
14080104	NM- Animas River (San 2403_00River to Estes Arroyo)	16.8	1206.4404i	4A	TMDL Completed30 2013-092012 00:00:00
14080104	NM- Animas River (San 2403_00River to Estes Arroyo)	16.8	1206.4404i Nutrient/Eutrophication	4A	TMDL Completed17 2006-012004 00:00:00
14080104	NM- Animas River (San 2403_00River to Estes Arroyo)	16.8	1206.4404i Temperature	4A	TMDL Completed30 2013-092012 00:00:00 303(d)
14080104	NM- 9000_00Farmington (Beeline Reservoir)	198	ACRESM400 Mercury in fish tissue	5/5A	List (no TMDL in place) 2004

### **Category Description**

**4A** Available data and/or information indicate that at least one designated or existing use is not being supported, but a Total Maximum Daily Load (TMDL) is not needed because TMDLs have been already been established.

**5A** Available data and/or information indicate that at least one designated or existing use is not being supported and necessary TMDLs are underway or scheduled.

**5B** Available data and/or information indicate that at least one designated or existing use is not being supported and a review of the water quality standard will be conducted to verify

appropriateness.

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Melinda McCoy, Environmental Scientist

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